



State of New Jersey

DEPARTMENT OF ENVIRONMENTAL PROTECTION

DIVISION OF WASTE MANAGEMENT

32 E. Hanover St., CN 028, Trenton, N.J. 08625

MARWAN M. SADAT, P.E.
DIRECTOR

LINO F. PEREIRA, P.E.
DEPUTY DIRECTOR

~5-6/85?

New Jersey Remedial Action Branch
Emergency & Remedial Response Division
US Environmental Protection Agency
26 Federal Plaza
New York, NY 10278

Attention: Ms. Chris Schultz

Re: Combe Fill South

Gentlemen:

Please find transmitted here with: Eighteen Analytical reports for potable well, Stream & Sediment Samples taken by NJDEP from locations near and about the Combe Fill South Landfill. The samples are enumerated on the attached list.

If you have any questions or comments, please contact the undersigned at (609) 984-2990.

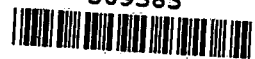
Very truly yours,

Edgar G. Kaup, P.E.
Site Manager, BSM

HS102: vb

SAMPLING DATE: 3/21/85

509383





State of New Jersey
DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF WASTE MANAGEMENT
HAZARDOUS SITE MITIGATION ADMINISTRATION
CN 028, Trenton, N.J. 08625

MARWAN M. SADAT, P.E.
DIRECTOR

JORGE H. BERKOWITZ, PH.D.
ADMINISTRATOR

ANALYTICAL RESULTS LISTING

RE: Area adjacent to Combe Fill South Landfill

<u>ITEM NUMBER</u>	<u>SAMPLE NO.</u>	<u>DESCRIPTION</u>
1	H2212	Xconf
2	H2211	Trip Blk
3	H2208	W Ling VNFN
4	H2214	W Ling UNFP
5	H2213	W Ling Filtn
6	H2205	X Reyes Res
7	H2206	X ONG Res
8	H2207	W Hemmings
9	H2209	W Marshall
10	H2210	W Hemmings
11	H2219	R Statn 1 (liq)
12	H2221	R Statn 2 (sed)
13	H2216	R Statn 2 (liq)
14	H2222	R Statn 3 (sed)
15	H2215	R Statn 3 (liq)
16	H2224	R Statn 4 (sed)
17	H2217	R Statn 4 (liq)
18	H2220	R Statn 5 (liq)

05-08
10-17, 19 (18)
20-22, 24 (23)

2205 - 2224 inclusive
less 2218 & 2223

ETC / CHYUN

CHYUN ASSOCIATES

(609-924-5151)

LABORATORY CHAIN-OF-CUSTODY CHRONICLE

(NJDEP Contract X-029)

(see back of page for complete list of bottles)

Sample Transfer to Chyun:

Sample(s) relinquished by:

Man Jacob

3:15 PM 3.22.85

Time/Date

Sample(s) accepted by:

Mark Kelly

3:15 3/22/85

Time/Date

ETC Sample Number(s) H 2205, H 2206 H 2213 to H 2216 H 2219 H 2220

Received at Chyun

H 2217

Bottle

Type

Sample Preparation for:

Analyst

Date

Time

_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

Sample Analysis for:

Analyst

Date

Time

_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Verified By: _____

Return of Samples to ETC:

Relinquished by:

Accepted by:

Relinquished by:

Accepted by:

Time/Date

Time/Date

Time/Date

Time/Date

065

Request for Analysis

Name of Subcontractor: Chyun

ETC Sample Number(s)
H2205 H2206 H2216
H2214 H2215 H2213
H2219 H2220 H2217

Send bill to: John Hamilton
 Send report to: John Hamilton

ETC Corporation
 284 Raritan Center Pkw.
 Edison, NJ 08837
 (201) 225-5600

Date Data Required: 4/2/85
 If deadline cannot be met, contact John Hamilton immediately.

Please perform the analyses requested below:

<input type="checkbox"/> Color	<input type="checkbox"/> Coliform, Total
<input type="checkbox"/> Conductance, Specific	<input type="checkbox"/> Coliform, Fecal
<input type="checkbox"/> Odor	<input type="checkbox"/> Biological Oxygen Demand
<input type="checkbox"/> pH	<input type="checkbox"/> (5 day, 20 degree C)
<input type="checkbox"/> Turbidity	<input type="checkbox"/> Chemical Oxygen Demand (COD)
<input type="checkbox"/> Total Solids	<input type="checkbox"/> Oil & Grease (Gravimetric)
<input type="checkbox"/> Total Suspended Solids	<input type="checkbox"/> Petroleum Hydrocarbons
<input type="checkbox"/> Total Dissolved Solids	<input type="checkbox"/> (Infrared)
<input type="checkbox"/> Total Volatile Solids	<input type="checkbox"/> Organic Carbon, Total (TOC)
<input type="checkbox"/> Gross Alpha and Gross Beta*	<input checked="" type="checkbox"/> Phenols, Total (as Phenolics)
<input type="checkbox"/> Radium 226 if Gross Alpha	<input type="checkbox"/> Methylene Blue Active
<input type="checkbox"/> exceeds 5 pCi/l	<input type="checkbox"/> Substances (MBAS) (Foaming
<input type="checkbox"/> Radium 228 if Radium 226	<input type="checkbox"/> Agents, Surfactants)
<input type="checkbox"/> exceeds 3 pCi/l	

* If Gross Alpha exceeds 5 pCi/l, John Hamilton must be notified immediately.

<input type="checkbox"/> Acidity	<input type="checkbox"/> Nitrate-Nitrite
<input type="checkbox"/> Alkalinity	<input type="checkbox"/> Nitrite
<input type="checkbox"/> Bromide	<input type="checkbox"/> Oxygen, Dissolved
<input type="checkbox"/> Chloride	<input type="checkbox"/> Phosphorous, Ortho Phosphate
<input type="checkbox"/> Chlorine, Total Residual	<input type="checkbox"/> Silica, Dissolved
<input checked="" type="checkbox"/> Cyanide, Total	<input type="checkbox"/> Sulfate (as SO ₄)
<input type="checkbox"/> Ammonia (as N)	<input type="checkbox"/> Sulfide (as S)
<input type="checkbox"/> Total Kjeldahl Nitrogen (TKN)	<input type="checkbox"/> Sulfite (as SO ₃)
<input type="checkbox"/> Nitrate	<input type="checkbox"/> Fluoride

OTHERS

X-029

Sample(s) Relinquished by: M. Javala

Date 3-22-85 Time 3:15 PM

Sample(s) Received by: Mark Kelly

Date 3/22/85 Time 3:15

Request for Analysis

Name of Subcontractor: Chyun

ETC Sample Number(s)
H 2205 H 2206 H 2216
H 2214 H 2215 H 2213
H 2219 H 2220 H 2217

Send bill to: John Hamilton
 Send report to: John Hamilton

ETC Corporation
 284 Raritan Center Pkw.
 Edison, NJ 08837
 (201) 225-5600

Date Data Required: 4/2/85
 If deadline cannot be met, contact John Hamilton immediately.

Please perform the analyses requested below:

- | | |
|--|---|
| <input type="checkbox"/> Color | <input type="checkbox"/> Coliform, Total |
| <input type="checkbox"/> Conductance, Specific | <input type="checkbox"/> Coliform, Fecal |
| <input type="checkbox"/> Odor | <input type="checkbox"/> Biological Oxygen Demand |
| <input type="checkbox"/> pH | <input type="checkbox"/> (5 day, 20 degree C) |
| <input type="checkbox"/> Turbidity | <input type="checkbox"/> Chemical Oxygen Demand (COD) |
| <input type="checkbox"/> Total Solids | <input type="checkbox"/> Oil & Grease (Gravimetric) |
| <input type="checkbox"/> Total Suspended Solids | <input type="checkbox"/> Petroleum Hydrocarbons |
| <input type="checkbox"/> Total Dissolved Solids | <input type="checkbox"/> (Infrared) |
| <input type="checkbox"/> Total Volatile Solids | <input type="checkbox"/> Organic Carbon, Total (TOC) |
| <input type="checkbox"/> Gross Alpha and Gross Beta* | <input checked="" type="checkbox"/> Phenols, Total (as Phenolics) |
| <input type="checkbox"/> Radium 226 if Gross Alpha | <input type="checkbox"/> Methylene Blue Active |
| <input type="checkbox"/> exceeds 5 pCi/l | <input type="checkbox"/> Substances (MBAS) (Foaming |
| <input type="checkbox"/> Radium 228 if Radium 226 | <input type="checkbox"/> Agents, Surfactants) |
| <input type="checkbox"/> exceeds 3 pCi/l | |

* If Gross Alpha exceeds 5 pCi/l, John Hamilton must be notified immediately.

- | | |
|--|--|
| <input type="checkbox"/> Acidity | <input type="checkbox"/> Nitrate-Nitrite |
| <input type="checkbox"/> Alkalinity | <input type="checkbox"/> Nitrite |
| <input type="checkbox"/> Bromide | <input type="checkbox"/> Oxygen, Dissolved |
| <input type="checkbox"/> Chloride | <input type="checkbox"/> Phosphorous, Ortho Phosphate |
| <input type="checkbox"/> Chlorine, Total Residual | <input type="checkbox"/> Silica, Dissolved |
| <input checked="" type="checkbox"/> Cyanide, Total | <input type="checkbox"/> Sulfate (as SO ₄) |
| <input type="checkbox"/> Ammonia (as N) | <input type="checkbox"/> Sulfide (as S) |
| <input type="checkbox"/> Total Kjeldahl Nitrogen (TKN) | <input type="checkbox"/> Sulfite (as SO ₃) |
| <input type="checkbox"/> Nitrate | <input type="checkbox"/> Fluoride |

OTHERS

X-029

Sample(s) Relinquished by: M. Javala

Date 3-22-85 Time 3:15 PM

Sample(s) Received by: Mark Kelly

Date 3/22/85 Time 3:15

063

Request for Analysis

Name of Subcontractor: Chyen

ETC Sample Number(s)
H 2221 to H 2225
(#2224)

Send bill to: John Hamilton
 Send report to: John Hamilton

ETC Corporation
 284 Raritan Center Pkw.
 Edison, NJ 08837
 (201) 225-5600

Date Data Required: 4/2/85
 If deadline cannot be met, contact John Hamilton immediately.

Please perform the analyses requested below:

- | | |
|--|---|
| <input type="checkbox"/> Color | <input type="checkbox"/> Coliform, Total |
| <input type="checkbox"/> Conductance, Specific | <input type="checkbox"/> Coliform, Fecal |
| <input type="checkbox"/> Odor | <input type="checkbox"/> Biological Oxygen Demand |
| <input type="checkbox"/> pH | <input type="checkbox"/> (5 day, 20 degree C) |
| <input type="checkbox"/> Turbidity | <input type="checkbox"/> Chemical Oxygen Demand (COD) |
| <input type="checkbox"/> Total Solids | <input type="checkbox"/> Oil & Grease (Gravimetric) |
| <input type="checkbox"/> Total Suspended Solids | <input type="checkbox"/> Petroleum Hydrocarbons |
| <input type="checkbox"/> Total Dissolved Solids | <input type="checkbox"/> (Infrared) |
| <input type="checkbox"/> Total Volatile Solids | <input type="checkbox"/> Organic Carbon, Total (TOC) |
| <input type="checkbox"/> Gross Alpha and Gross Beta* | <input checked="" type="checkbox"/> Phenols, Total (as Phenolics) |
| <input type="checkbox"/> Radium 226 if Gross Alpha | <input type="checkbox"/> Methylene Blue Active |
| <input type="checkbox"/> exceeds 5 pCi/l | <input type="checkbox"/> Substances (MBAS) (Foaming |
| <input type="checkbox"/> Radium 228 if Radium 226 | <input type="checkbox"/> Agents, Surfactants) |
| <input type="checkbox"/> exceeds 3 pCi/l | |

* If Gross Alpha exceeds 5 pCi/l, John Hamilton must be notified immediately.

- | | |
|--|--|
| <input type="checkbox"/> Acidity | <input type="checkbox"/> Nitrate-Nitrite |
| <input type="checkbox"/> Alkalinity | <input type="checkbox"/> Nitrite |
| <input type="checkbox"/> Bromide | <input type="checkbox"/> Oxygen, Dissolved |
| <input type="checkbox"/> Chloride | <input type="checkbox"/> Phosphorous, Ortho Phosphate |
| <input type="checkbox"/> Chlorine, Total Residual | <input type="checkbox"/> Silica, Dissolved |
| <input checked="" type="checkbox"/> Cyanide, Total | <input type="checkbox"/> Sulfate (as SO ₄) |
| <input type="checkbox"/> Ammonia (as N) | <input type="checkbox"/> Sulfide (as S) |
| <input type="checkbox"/> Total Kjeldahl Nitrogen (TKN) | <input type="checkbox"/> Sulfite (as SO ₃) |
| <input type="checkbox"/> Nitrate | <input type="checkbox"/> Fluoride |

* 50115 !

OTHERS

X-029

Sample(s) Relinquished by: M. Jacob

Date 3-22-85 Time 3:15 PM

Sample(s) Received by: Mark Kelly

Date 3/22/85 Time 3:15